

WHAT IS CLAIMED IS:

1. In a open-air outdoor wash station for large objects, such as is used for periodic maintenance of transportation vehicles and washing of large animals, wherein said wash station includes a wash deck, a source of wash fluid and means for channeling
5 said wash fluid from said wash deck, wherein the improvement comprises:

A. A source of pressurized wash fluid connected through a fluid supply conduit, within a wash station, to a pressure control valve for concurrently (1) reducing pressure of said wash fluid as it flows through said pressure control valve to a wash fluid delivery means within said wash station and (2) increasing pressure within an actuator
10 line that is in fluid communication with a hydraulic actuator, each of said fluid supply conduit and said actuator line being in fluid communication with each other and separated from said wash fluid delivery means by said pressure control valve; and

B. A hydraulic actuator mechanically coupled to a waste stream control valve; and

15 C. A waste stream control valve, which is mechanically biased in a closed position, mechanically coupled to said hydraulic actuator,

whereby an increase in hydraulic pressure in said actuator line causes said actuator to force open said waste stream control valve, and a release of hydraulic pressure within said actuator line removes said opening force from said waste stream control
20 valve, thereby allowing said waste stream control valve to return to a closed position.

2. The open-air outdoor wash station of Claim 1, wherein said wash station further includes a wash deck, a drain within a depression of said deck, and a fluid pathway from said deck through said drain to said waste stream control valve.

5 3. The open-air outdoor wash station of Claim 1, wherein said drain of said wash station comprises an interceptor drain.

4. The open-air outdoor wash station of Claim 1, wherein said deck of said wash station comprises a compound contour on the surface thereof, a first contour sloping
10 toward said drain thereby forming a depression or bowl around said drain and a second contour peripheral to said depression or bowl sloping aware from said drain

5. A system for concurrently (a) supplying a pressurized wash fluid to an open-air wash station, (b) collecting waste water fluids from said open-air wash station for processing with a municipal waste water treatment facility and (c) isolation said open-air wash station from a sanitary sewer connection to municipal waste water treatment facility when said open-air wash station is not in use, said system comprising:

A. A source of pressuring wash fluid in fluid communication with a wash water supply conduit of a wash station;

B. A pressure control valve in-line with said wash water supply conduit, and in fluid communication with an actuator conduit;

10 C. Means associated with said actuator line for hydraulic actuation and inactivation of a waste stream control valve; and

D. A waste stream control valve, which is mechanically biased in a closed position, mechanically coupled to said hydraulic actuator means,

whereby an increase in hydraulic pressure in said actuator line causes said
15 actuator means to force open said waste stream control valve, and a release of hydraulic pressure within said actuator line removes said opening force from said waste stream control valve, thereby allowing said waste stream control valve to return to a closed position.